

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040619\
 Data File : VW009781.D
 Acq On : 06 Apr 2019 19:35
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:43:11 AM

Quant Time: Apr 07 05:36:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 03:56:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	482297	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	470581	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	243321	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	159142	25.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.88%
7) Chloroethane-d5	2.89	69	141166	24.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.64%
10) 1,1-Dichloroethene-d2	4.02	63	347106	25.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.28%
20) 2-Butanone-d5	7.08	46	116763	56.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.96%
24) Chloroform-d	7.65	84	351509	26.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.84%
26) 1,2-Dichloroethane-d4	8.30	65	218952	27.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.40%
29) Benzene-d6	8.27	84	662169	26.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.24%
33) 1,2-Dichloropropane-d6	9.27	67	203082	26.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.48%
37) Toluene-d8	10.32	98	619293	27.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.44%
38) trans-1,3-Dichloropropene-	10.57	79	96725	26.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.32%
39) 2-Hexanone-d5	10.93	63	86105	59.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	192333	27.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	222670	26.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	164430m	25.882	ug/L
3) Chloromethane	2.21	50	155087	23.621	ug/L
5) Vinyl chloride	2.37	62	191290	22.714	ug/L
6) Bromomethane	2.78	94	129241	22.178	ug/L
8) Chloroethane	2.93	64	129067	23.350	ug/L
9) Trichlorofluoromethane	3.25	101	118202	22.880	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	160627	23.903	ug/L
12) 1,1-Dichloroethene	4.03	96	157525	24.591	ug/L
13) Acetone	4.12	43	152381	69.404	ug/L
14) Carbon disulfide	4.38	76	465089	23.358	ug/L
15) Methyl Acetate	4.67	43	104887	26.200	ug/L
16) Methylene chloride	4.92	84	174063	20.464	ug/L
17) Methyl tert-butyl Ether	5.42	73	239060	27.090	ug/L
18) trans-1,2-Dichloroethene	5.42	96	169268	25.408	ug/L
19) 1,1-Dichloroethane	6.21	63	332249	25.988	ug/L
21) 2-Butanone	7.17	43	146866	52.596	ug/L
22) cis-1,2-Dichloroethene	7.16	96	186424	26.164	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	86233	26.379	ug/L	95
25) Chloroform	7.67	83	349260	26.080	ug/L	99
27) 1,2-Dichloroethane	8.40	62	268194	26.478	ug/L	97
30) Cyclohexane	7.95	56	284594	25.623	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	265692	24.889	ug/L	99
32) Carbon tetrachloride	8.06	117	261859	24.467	ug/L	98
34) Benzene	8.32	78	730750	25.810	ug/L	100
35) Trichloroethene	9.09	95	188543	25.446	ug/L	98
36) Methylcyclohexane	9.34	83	310235	25.467	ug/L	99
40) 1,2-Dichloropropane	9.37	63	188418	25.997	ug/L	99
41) Bromodichloromethane	9.64	83	261141	26.113	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	296854	26.438	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	318832	56.633	ug/L	100
44) Toluene	10.38	91	787841	26.268	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	258966	26.752	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	143390	26.358	ug/L	95
47) Tetrachloroethene	10.86	164	145405	24.917	ug/L	97
49) 2-Hexanone	10.97	43	238219	56.829	ug/L	100
50) Dibromochloromethane	11.13	129	175751	26.296	ug/L	100
51) 1,2-Dibromoethane	11.23	107	142081	26.059	ug/L	98
52) Chlorobenzene	11.66	112	491257	25.446	ug/L	100
53) Ethylbenzene	11.73	91	895372	26.207	ug/L	99
54) m,p-Xylene	11.84	106	333697	26.407	ug/L	98
55) o-xylene	12.16	106	323093	26.845	ug/L	100
56) Styrene	12.18	104	568178	27.208	ug/L	100
57) Isopropylbenzene	12.46	105	883055	26.796	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	197090	26.943	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	148517	27.274	ug/L	98
62) Bromoform	12.35	173	107519	25.132	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	375751	24.964	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	396805	24.722	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	372039	25.836	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	36480	26.025	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	279045	24.986	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	230095	25.655	ug/L	98
69) Naphthalene	15.37	128	508044	28.183	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	224365	26.742	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

